This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

MAR 0 5 2004 DECLARATION FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is described and claimed and for which a patent is sought on the invention entitled:

TWO-PHASE HASH VALUE MATCHING TECHNIQUE IN MESSAGE PROTECTION SYSTEM

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein. I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigned more than twelve months prior to this application.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

x no such foreign applications have been filed	•
such foreign application have been filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

such U.S./PCT application have been filed as follows: Application Number Date of Filing Status	Appl	cation Number Country Date of Filing		ling	Priority Claimed Under 35 USC 119		
Application Number Country Date of Filing CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS Creby claim priority benefits under Title 35, United States Code §119(e), of any United State visional patent application(s) listed below: In the such U.S. provisional applications have been filed. Such U.S. provisional application have been filed as follows: Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) CRECEPT APPLICATION(S) C						Yes No	
CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS creby claim priority benefits under Title 35, United States Code §119(e), of any United States visional patent application(s) listed below: x no such U.S. provisional applications have been filed. such U.S. provisional application have been filed as follows: Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No Yes No		ALL FOREIGI (6 MON	N APPLICA'	TION(S), IF ANY FII ESIGN) PRIOR TO T	LED MOI THIS U.S	RE THAN 12 MONTH . APPLICATION	- IS
ereby claim priority benefits under Title 35, United States Code §119(e), of any United States ovisional patent application(s) listed below: x no such U.S. provisional applications have been filed. such U.S. provisional application have been filed as follows: Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No Yes No		Application N	umber	Country		Date of Filing	
ereby claim priority benefits under Title 35, United States Code §119(e), of any United States ovisional patent application(s) listed below: x no such U.S. provisional applications have been filed. such U.S. provisional application have been filed as follows: Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No Yes No							
ereby claim priority benefits under Title 35, United States Code §119(e), of any United States ovisional patent application(s) listed below: x no such U.S. provisional applications have been filed. such U.S. provisional application have been filed as follows: Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No Yes No		CLABATOR	DEI Marin C				
x no such U.S. provisional applications have been filed. Such U.S. provisional application have been filed as follows: Application Number Date of Filing Priority Claimed Under 35 USC 119		CLAIM FOR	BENEFIT C	F EARLIER U.S. PR	OVISION	NAL APPLICATIONS	;
x no such U.S. provisional applications have been filed. Such U.S. provisional application have been filed as follows: Application Number Date of Filing Priority Claimed Under 35 USC 119	nereby	claim priority t	enefits unde	r Title 35, United Stat	tes Code {	119(e), of any United	State
Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) Preby claim the benefit under Title 35, United States Code, §120 of the United States olication(s) listed below and, insofar as the subject matter of each of the claims of this applicated disclosed in the prior United States application in the manner provided by the first paragritle 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. Status Date of Filing Status	OV1S10	onal patent appli	cation(s) liste	ed below:			
Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) Preby claim the benefit under Title 35, United States Code, §120 of the United States oblication(s) listed below and, insofar as the subject matter of each of the claims of this application in the prior United States application in the manner provided by the first paragraphical to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT emational filing date of this application: No such U.S./PCT applications have been filed. Application Number Date of Filing Status	\mathbf{x}	no such U.S. pr	ovisional ap	plications have been f	iled.	,	
Application Number Date of Filing Priority Claimed Under 35 USC 119 Yes No CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) Preby claim the benefit under Title 35, United States Code, §120 of the United States oblication(s) listed below and, insofar as the subject matter of each of the claims of this application in the prior United States application in the manner provided by the first paragraphical to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT emational filing date of this application: No such U.S./PCT applications have been filed. Application Number Date of Filing Status		such U.S. provi	sional annlic	ation have been filed	an fallows		
CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) creby claim the benefit under Title 35, United States Code, §120 of the United States olication(s) listed below and, insofar as the subject matter of each of the claims of this application disclosed in the prior United States application in the manner provided by the first paragraph Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT remational filing date of this application: no such U.S./PCT applications have been filed. Application Number Date of Filing Status	لــــا	ouen o.b. provi		ation have been filed	as ionow		
CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) creby claim the benefit under Title 35, United States Code, §120 of the United States olication(s) listed below and, insofar as the subject matter of each of the claims of this applicated disclosed in the prior United States application in the manner provided by the first paragratitle 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT emational filing date of this application: no such U.S./PCT applications have been filed. Such U.S./PCT application have been filed as follows:		Applica	tion Number	Date of Filing			
ereby claim the benefit under Title 35, United States Code, §120 of the United States blication(s) listed below and, insofar as the subject matter of each of the claims of this applicated disclosed in the prior United States application in the manner provided by the first paragratel Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. Such U.S./PCT application have been filed as follows:							
ereby claim the benefit under Title 35, United States Code, §120 of the United States blication(s) listed below and, insofar as the subject matter of each of the claims of this applicated disclosed in the prior United States application in the manner provided by the first paragratel Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. Such U.S./PCT application have been filed as follows:							
Dication(s) listed below and, insofar as the subject matter of each of the claims of this applicated disclosed in the prior United States application in the manner provided by the first paragratic particle 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. Such U.S./PCT application have been filed as follows: Application Number Date of Filing Status						• •	
Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. such U.S./PCT application have been filed as follows: Application Number Date of Filing Status	hereby	claim the benef	it under Title	35, United States Co	de, §120	of the United States	
Ittle 35, United States Code, §112, I acknowledge the duty to disclose all information that is terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. such U.S./PCT application have been filed as follows: Application Number Date of Filing Status	not di	sclosed in the pr	ior United S	ar as the subject matte tates application in the	er of each	of the claims of this a	pplic
terial to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which came available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. such U.S./PCT application have been filed as follows: Application Number Date of Filing Status	little	35, United State	s Code, §112	. I acknowledge the d	luty to dis	close all information t	hat is
ame available to me between the filing date of the prior application and the national or PCT ernational filing date of this application: no such U.S./PCT applications have been filed. such U.S./PCT application have been filed as follows: Application Number Date of Filing Status	aterial	to patentability	in accordance	e with Title 37, Code	of Federa	d Regulations, \$1.56 v	vhich
no such U.S./PCT applications have been filed. such U.S./PCT application have been filed as follows: Application Number Date of Filing Status	came	available to me	between the	filing date of the prior	r applicati	on and the national or	PCT
such U.S./PCT application have been filed as follows: Application Number Date of Filing Status	ternati	onai ming date	or uns appric	auon:			
Application Number Date of Filing Status	no s	uch U.S./PCT a	pplications h	ave been filed.			
	such	u.S./PCT appl	ication have	been filed as follows:			
(Patented/Pending/Abandoned)		Application	Number	Date of Filing	(D-+		7

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the practitioners under Customer Number

38879

all of Darby & Darby P.C., P.O. Box 5257, New York, New York 10150-5257, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Please mail all correspondence to John W. Branch, whose address is:

Darby & Darby P.C. P.O. Box 5257 New York, New York 10150-5257

Please direct telephone calls to: John W. Branch at (206) 262-8900.

Please direct facsimiles to: (206) 262-8901

Full name of sole or first inventor	
Bing Wang	
Sole or first inventor's signature Residence	Date - 03/02/2004
San Jose, CA	, ,
Citizenship Chinese	
Mailing Address	
6185 Camino Verde Drive, Apt. R-11, San Jose, CA 95119	

·	
Full name of sole or first inventor	
James Card	·
Sole or first inventor's signature	Date
Residence	
Nashua, NH	
Citizenship US	
Mailing Address	
•	
46 McKenna Drive,	
Nashua, NH 03062	•
Full name of sole or first inventor	
Gregory J. Smith	
Sole or first inventor's signature	Date
19184	14/2004
Residence	7 1/200/
Santa Clara, CA	
Citizenship US	
Mailing Address	
3576 Sunnydays Lane	
Santa Clara, CA 95051	
Full name of sole or first inventor	
Robert Paxton Scott	
Sole or first inventor's signature	
Sole of hist rivemor's signance	Date
ININ DIVERSION TO	3/5/2004
Residence	
Sunnyvale, CA	
Citizenship US	
Mailing Address	
655 South Fair Oaks Avenue, H-104	_
Sunnyvale, CA 94086	·

Docket No. 08212/0200290-US0/NC28834US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECLARATION FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is described and claimed and for which a patent is sought on the invention entitled:

TWO-PHASE HASH VALUE MATCHING TECHNIQUE IN MESSAGE PROTECTION SYSTEM

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein. I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigned more than twelve months prior to this application.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

x no such foreign applications have been filed		
such foreign application have been filed as follows:		

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119	
			Yes No	
		I(S), IF ANY FILED N GN) PRIOR TO THIS	MORE THAN 12 MONTHS U.S. APPLICATION	
Application Nu	ation Number Country		Date of Filing	
CLAIM FOR	BENEFIT OF EA	ARLIER U.S. PROVIS	IONAL APPLICATIONS	
amalan alaina muianismala		. 26 11-4 1944 . 0	4. C110(-) . C XI !. 10	
ereby claim priority be ovisional patent applic			de §119(e), of any United States	
Violenti patent applie	ation(a) nated be	10 W .		
x no such U.S. pro	visional applicat	ions have been filed.		
such U.S. provis	ional application	have been filed as fol	lows:	
Apolicati	on Number	Date of Filing	Priority Claimed	
		2.000	Under 35 USC 119	
			Yes No	
<u> </u>	 ,		. —	
CLAIM F	FOR BENEFIT C	F EARLIER U.S./PC	Γ APPLICATION(S)	
ereby claim the benefi	t under Title 35	United States Code. 8	120 of the United States	
			each of the claims of this applicat	
not disclosed in the pri	or United States	application in the man	ner provided by the first paragrap	
	Code, §112, I ad	knowledge the duty to	disclose all information that is	
Title 35, United States	7.3	•		
Title 35, United States terial to patentability i	in accordance wit	th Title 37, Code of Fe	deral Regulations, §1.56 which	
Title 35, United States iterial to patentability i came available to me b	in accordance with the filing	th Title 37, Code of Fe g date of the prior apple	deral Regulations, §1.56 which ication and the national or PCT	
Title 35, United States terial to patentability i	in accordance with the filing	th Title 37, Code of Fe g date of the prior apple	deral Regulations, §1.56 which cation and the national or PCT	
Title 35, United States iterial to patentability i came available to me b	in accordance with the filing of this application	th Title 37, Code of Fe g date of the prior appli	deral Regulations, §1.56 which ication and the national or PCT	

Date of Filing

Application Number

Status (Patented/Pending/Abandoned) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the practitioners under Customer Number

38879

all of Darby & Darby P.C., P.O. Box 5257, New York, New York 10150-5257, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Please mail all correspondence to John W. Branch, whose address is:

Darby & Darby P.C. P.O. Box 5257 New York, New York 10150-5257

Please direct telephone calls to: John W. Branch at (206) 262-8900.

Please direct facsimiles to: (206) 262-8901

Date		
Date		
		

Full name of sole or first inventor	
James Card	
Sale or first inventor's signature	Date
James Card	March 5, 2004
Residence /	
Nashua, NH	
Citizenship US	
Mailing Address	
46 McKenna Drive,	
Nashua, NH 03062	
1100100, 1111 \$5002	
Full name of sole or first inventor	
Gregory J. Smith	
Sole or first inventor's signature	Dute
Residence	
Santa Clara, CA	
Citizenship US	
Mailing Address	
2576 0	
3576 Sunnydays Lane Santa Clara, CA 95051	
Salita Clara, CA 93031	
Full name of sole or tirst inventor	
Robert Paxton Scott	
Sole or first inventor's signature	Date
Residence	
Sunnyvale, CA	
Citizenship US	
Muiling Address	
Naille (1915)	
655 South Fair Oaks Avenue, H-104	
Sunnyvale, CA 94086	